

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Uttam Ghoshal et al.

Title: APPARATUS AND METHODOLOGY FOR COOLING OF HIGH  
POWER DENSITY DEVICES BY ELECTRICALLY CONDUCTING  
FLUIDS

Application No.: 10/763,303

Filed: January 23, 2004

Examiner: Richard L. Leung

Group Art Unit: 3744

Atty. Docket No.: 089-0008

Confirmation No.: 6524

February 11, 2005

Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
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Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

**37 C.F.R. § 1.97(b)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings to the Examiner's attention in the above-identified application the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A (3 page(s), with copy of 3 reference(s)).
- ☐ Form(s) PTO/SB/08B (N/A page(s), with copy of no reference(s)).
- ☐ Listing of Pending Applications (N/A page(s), with copy of no application(s)).
- ☐ Other: N/A

Citation of such information shall not be construed as (i) an admission that the information necessarily is, or corresponds to, prior art with respect to the instant invention, (ii) a representation that a search has been made, other than as described herein, or (iii) an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance through (i) an English language abstract, (ii) an English language equivalent application, or (iii) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

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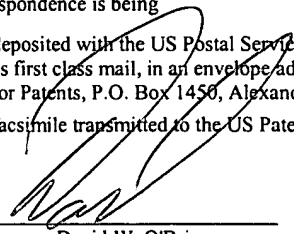
Pursuant to operative regulations, certain copies need not be provided and corresponding information is identified in this Information Disclosure Statement by citation only. In particular,

- ☒ In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of cited U.S. Patents and U.S. Patent Application Publications are not included.
- ☐ Certain information was submitted to, or cited by, the Office in Application No(s). N/A, filed N/A, to which the above-identified application claims priority under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), copies of that information are not included.
- ☐ Pursuant to 1287 OG 163 (October 19, 2004), for those cited pending U.S. patent applications filed (or which entered the national stage under 35 U.S.C. § 371) on or after June 30, 2003 or which are otherwise stored in the USPTO's Image File Wrapper system, copies are not included.

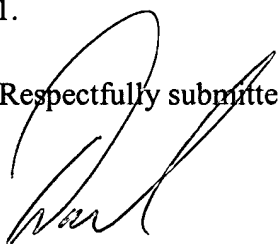
FEE AUTHORIZATION

- ☐ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
- ☒ The undersigned believes that this Information Disclosure Statement is being filed before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

If however, this Information Disclosure Statement is filed after the period specified in § 1.97(b), the undersigned hereby authorizes the Commissioner to charge the fee set forth in § 1.17(p) to Deposit Account No. 50-0631.

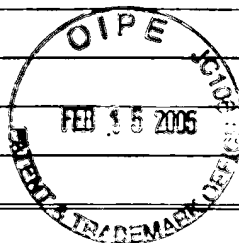
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<input type="checkbox"/>	facsimile transmitted to the US Patent and Trademark Office.
	<u>11-Feb-05</u>
David W. O'Brien	Date

Respectfully submitted,

  
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EXPRESS MAIL LABEL: \_\_\_\_\_

PTO SB 08A (Substitute for form 1449 PTO)		Attorney Docket No.: 689-0008
		Application No.: 10/763,303
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor: Uttam Ghoshal
		Filing Date: January 23, 2004
		Group Art Unit: 3744
		Examiner Name: Richard L. Leung
Sheet 1 of 3		Date Submitted: February 11, 2005



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	1	US-4,177,015	12-04-1979	Davidson		
	2	US-5,009,399	04-23-1991	Bykhovsky et al.		
	3	US-5,184,211	02-02-1993	Fox		
	4	US-5,640,046	06-17-1997	Suzuki et al.		
	5	US-5,943,211	04-24-1999	Havey		
	6	US-5,993,164	11-30-1999	Diaz		
	7	US-6,000,225	12-14-1999	Ghoshal		
	8	US-6,021,844	02-08-2000	Batchelder		
	9	US-6,065,293	05-23-2000	Ghoshal		
	10	US-6,119,463	09-19-2000	Bell		
	11	US-6,175,495	01-16-2001	Batchelder		
	12	US-6,223,539	05-01-2001	Bell		
	13	US-6,227,809	05-08-2001	Forster et al.		
	14	US-6,241,480	06-05-2001	Chu et al.		
	15	US-6,256,996	07-10-2001	Ghoshal		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
	16	JP06188582A	07-08-1994	Chikugi et al.		
	17	JP07321265A	12-08-1995	Suzuki et al.		
	18	JP360004244A	01-10-1985	Ashiwake et al.		
Examiner Signature			Date Considered			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional).

<sup>2</sup> See Kind Code of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

PTO/SB/08A (Substitute for form 1449/PTO)		Attorney Docket No.: 089-0008
		Application No.: 10/763,303
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		First Named Inventor: Uttam Ghoshal
(Continuation Sheet)		Filing Date: January 23, 2004
		Group Art Unit: 3744
		Examiner Name: Richard L. Leung
Sheet 2 of 3		Date Submitted: February 11, 2005

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	19	US-6,266,962	07-31-2001	Ghoshal		
	20	US-6,282,907	09-04-2001	Ghoshal		
	21	US-6,338,251	01-15-2002	Ghoshal		
	22	US-6,384,312	05-07-2002	Ghoshal		
	23	US-6,388,185	05-14-2002	Fleurial et al.		
	24	US-6,474,074	05-30-2002	Ghoshal		
	25	US-6,452,740	09-17-2002	Ghoshal		
	26	US-2003/0005706 A1	01-09-2003	Bell		
	27	US-2003/0029173 A1	02-13-2003	Bell		
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	30	US-6,597,544	07-22-2003	Ghoshal		
	31	US-6,598,403	07-29-2003	Ghoshal		
	32	US-6,598,405	07-29-2003	Bell		
	33	US-6,606,866	08-19-2003	Bell		
	34	US-6,608,250	08-19-2003	Ghoshal		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
Examiner Signature			Date Considered			

PTO/SB/08A (Substitute for form 1449/PTO)		Attorney Docket No.: 089-0003
		Application No.: 10/763,393
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor: Uttam Ghoshal
(Continuation Sheet)		Filing Date: January 23, 2004
		Group Art Unit: 3744
		Examiner Name: Richard L. Leung
Sheet 3 of 3		Date Submitted: February 11, 2005

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	35	US-6,613,602	09-02-2003	Cooper et al.	
	36	US-6,614,109	09-02-2003	Cordes et al.	
	37	US-6,625,990	09-30-2003	Bell	
	38	US-6,637,210 B2	10-28-2003	Bell	
	39	US-6,700,052 B2	03-02-2004	Bell	
	40	US-6,708,501	03-23-2004	Ghoshal et al.	
	41	US-6,712,258	03-30-2004	Ghoshal	
	42	US-6,740,600	05-25-2004	Ghoshal et al.	
	43	US-2004/0234379 A1	11-25-2004	Miner et al.	
	44	US-2004/0234392 A1	11-25-2004	Ghoshal et al.	

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Examiner Signature				Date Considered		